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File
17 FEB 1972

MEMORANDUM FOR THE RECORD

SUBJECT: Results of test jumps on automatically (FDR)
Deployed Survival Kit [] 10-11 Feb 72 25X1A

1. On 10-11 Feb 72 test jump was scheduled with the
automatic kit (FDR device installed) [] from a 25X1A
U-6A Aircraft. Test jumper was [], standard flight 25X1A
equipment and modified T-10 static line deployed parachute
was used. Jumps at altitude 2,000 feet.

A. Results of Jumps:

(1) 10 Feb 72 - On the first flight the air-
craft climbed to 2,000 ft and started to orbit over
target. Kit FDR system was turned on. Wind drift
streamers were being dropped and after approximately
five (5) minutes in orbit, the kit automatic system
activated. The aircraft landed and the kit was
rearmed and new firing squib installed. We climbed
back to 2,000 ft and made ready for drop. This
time decision was made to turn FDR system on after
parachute opening. Normal aircraft exit, after
chute opening, deployed antenna manually and turned
FDR unit on. Kit deployed at 900 ft.

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(2) 11 Feb 72 - Flight and equipment same as on 10 Feb. Normal exit, deployed antenna and turned unit on. Kit deployed approximately 600 ft. (Kit may have deployed low due to antenna not fully extending.)

B. Remarks:

ARO Corporation was contacted on above drops. They, in turn, contacted Bonzer, Inc., to find out why the kit activated in aircraft. Bonzer stated that FDR unit could have received a signal from the aircraft. Normally kit would not be turned on until after parachute opening and would be clear of aircraft.

2. Recommendation:

Recommend that the survival kit be returned to ARO Corporation for rework and drop tests scheduled in early April 1972 at Quantico Marine Air Station in order that a representative can be present from ARO and Bonzer to correct any discrepancy which may be in the system. Also at this time determine if it is feasible to adopt the FDR system to the U-2R kit.



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